Notice of Allowability	Application No.	Applicant(s)	
	10/038,032	CANDELORE ET AL.	
	Examiner	Art Unit	
	HOSUK SONG	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *3/29/06*.

2. ☒ The allowed claim(s) is/are *1,3-13,19,21-29,31,33-42,69-79,84-90,92-99,101 and 103-109*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 20060607
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20060607* .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

HOSUK SONG
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr.Miller on 6/7/06.

Replace the following claims as follows:

1. A method of encrypting an unencrypted television program, comprising:

sampling the unencrypted television program at a specified time interval;

for each sample:

encrypting the sample according to a first encryption method to create a first encrypted sample;

encrypting the sample according to a second encryption method to create a second encrypted sample; and

combining the first and second encrypted samples with unsampled portions of the unencrypted television program to produce partially multiple encrypted television program as an encrypted output signal.

2. (Cancelled)

3. The method according to claim 1, further comprising distributing the partially multiple encrypted television program over a communication medium.

4. The method according to claim 1, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of the television program, the primary packet identifiers associating the unencrypted portion with the television program.

5. The method according to claim 1, further comprising assigning a plurality of primary packer identifiers (PID) to data packets containing first encrypted samples of the television program, the primary packet identifiers associating the first encrypted samples with the television program.

6. The method according to claim 1, further comprising assigning a plurality of secondary packet identifiers (PID) to data packets containing second encrypted samples of the television program, the secondary packet identifiers associating the second encrypted samples with the television program.

7. The method according to claim 1, further comprising:

assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of the television program, the primary packet identifiers associating the unencrypted portions with the television program;

assigning the plurality of primary packet identifiers to data packets containing first encrypted samples of the television program, the primary packet identifiers associating the first encrypted samples with the television program; and

assigning a plurality of secondary packet identifiers to data packets containing second encrypted samples of the television program, the secondary packet identifiers associating the second encrypted samples with the television program.

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. A method of encrypting an unencrypted television program,

comprising:

sampling the unecrypted television program at a specified time interval;

for each sample, encrypting the sample according to a first encryption method to create a first encrypted sample for the television program and encrypting the sample according to a second encryption method to create a second encrypted sample for the television program; and

combining the first encrypted samples with the unsampled portions of the unencrypted television program to produce a multiple partially encrypted television program as an encrypted output signal.

20. (Cancelled)

21. The method according to claim 19, further comprising

distributing the multiple partially encrypted television program over a cable television system.

22. The method according to claim 19, further comprising

assigning a packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portion with a particular television program.

23. The method according to claim 19, further comprising

assigning a packet identifier (PID) to data packets containing first encrypted samples of the television program, the packet identifier associating the first encrypted samples with a particular television program.

24. The method according to claim 19, further comprising

assigning a secondary packet identifier (PID) to data packets containing first encrypted sample of the television program, the secondary packet identifier associating the first encrypted samples with a particular television program.

25. The method according to claim 19, further comprising

assigning a packet identifier (PID) to data packets containing first encrypted samples and unencrypted portions of the television program, the packet identifier associating the first encrypted samples and the unencrypted portions with a particular television program.

26. The method according to claim 19, further comprising

assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portions with a particular television program; and

assigning a secondary packet identifier (PID) to data packets containing encrypted samples of the television program, the secondary packet identifier associating the first encrypted samples with the particular television program.

27. The method according to claim 19, wherein the sample comprises a data associated with a frame of video.

28. The method according to claim 19, wherein the sample comprises at least one packet of data.

29. An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 19.

30. (Cancelled)

31. A method of encrypting an unencrypted television program,

comprising:

identifying N periods out of every M periods of the television program for encryption,

where M is greater than N;

encrypting the N periods out of every M periods of the television program according to a first encryption method,

encrypting the N periods out of every M periods of the television program according to a second encryption method: and

combining the first and second encrypted periods with unencrypted periods to produce a partially multiple encrypted television program to produce a multiple selectively encrypted output signal.

32. (Cancelled)

33. The method according to claim 31, further comprising distributing the partially multiple encrypted television program over a cable television system.

34. The method according to claim 31, further comprising assigning a primary packet identifier (PID) to unencrypted periods of the television program.

35. The method according to claim 31, further comprising assigning a primary packet identifier (PID) to periods encrypted under the first encryption method.

36. The method according to claim 31, further comprising assigning a secondary packet identifier (PID) to periods encrypted under the second encryption method.

37. The method according to claim 31, further comprising:

assigning a primary packet identifier (PID) to unencrypted periods of the television program;

assigning a primary packet identifier (PID) to periods encrypted under the first encryption method; and

assigning a secondary packet identifier (PID) to periods encrypted under the second encryption method.

39. The method according to claim 31, wherein the period comprises data associated with a frame of video.

40. The method according to claim 31, wherein the period comprises at least one packet of data.

42. An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 31.

Claims 43-68, 80-83 cancelled.

90. A method of encrypting a plurality of unencrypted television program, comprising:

selecting a video frame from each unencrypted television program at a specified time interval;

encrypting the frame according to a first encryption method to create a first encrypted frame for each television program;

encrypting the frame according to a second encryption method to create a second encrypted frame for each television program; and

combining the first and second encrypted frames with unencrypted frames of the unencrypted television programs to produce partially dual encrypted television programs as an encrypted output signal.

91. (Cancelled)

92. The method according to claim 90, further comprising

distributing the partially dual encrypted television programs over one of a cable television system, a terrestrial broadcast system, and a satellite system.

93. The method according to claim 90, further comprising

assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of each television program, the primary packet identifiers associating the unencrypted portions with each particular television program.

94. The method according to claim 90, further comprising

assigning a plurality of primary packet identifiers (PID) to data packets containing first encrypted frames of each television program, the primary packet identifiers associating the first encrypted frames with each particular television program.

95. The method according to claim 90, further comprising

assigning a plurality of secondary packet identifiers (PID) to data packets containing second encrypted frames of each television program, the secondary packet identifiers associating the second encrypted frames with a particular television program.

96. The method according to claim 90, further comprising:

assigning a plurality of primary packet identifiers (PID) to data packets containing

unencrypted portions of each television program, the primary packet identifiers associating the unencrypted portions with each particular television program;

assigning the plurality of primary packet identifiers to data packets containing first encrypted frames of each television program, the primary packet identifiers associating the first encrypted frames with each particular television program; and

assigning a plurality of secondary packet identifiers to data packets containing second encrypted frames of each television program, the secondary packet identifiers associating the second encrypted samples with a particular television program.

100. (Cancelled)

101. A method of encrypting an unencrypted television program, comprising:

selecting a frame of the unencrypted television program at a specified time interval;

encrypting the frame according to a first encryption method to create a first encrypted sample for the television program;

encrypting the frame according to a second encryption method to create a second encrypted sample for the television program; and

combining the first encrypted sample and the second encrypted sample with unencrypted portions of the television program to produce a multiple partially encrypted television program.

102. (Cancelled)

103. The method according to claim 101, further comprising distributing the multiple partially encrypted television program over a cable television system.

104. The method according to claim 101, further comprising assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the primary packet identifier associating the unencrypted portion with a particular television program.

105. The method according to claim 101, further comprising

assigning a primary packet identifier (PID) to data packets containing first encrypted samples of the television program and assigning a secondary packet identifier (PID) to data packets containing second encrypted samples of the television program, the primary packet identifier associating the first encrypted samples and the secondary packet identifier associating the second encrypted samples with the particular television program.

107. The method according to claim 101, further comprising assigning a primary packet identifier (PID) to data packets containing first encrypted samples and unencrypted portions of the television program and assigning a secondary packet identifier (PID) to data packets containing second encrypted samples of the television program, the primary packet identifier associating the first encrypted samples and the unencrypted portions and the secondary identifier associating the second encrypted samples with a particular television program.

108. The method according to claim 101, further comprising

assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the primary packet identifier associating the unencrypted portions with a particular television program;

assigning the primary packet identifier (PID) to data packets containing first encrypted samples of the television program, the primary packet identifier associating the first encrypted samples with the particular television program; and

assigning a secondary packet identifier (PID) to data packets containing encrypted samples of the television program, the secondary packet identifier associating the encrypted samples with the particular television program.

110. (Cancelled)

USPTO Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOSUK SONG whose telephone number is 5712723857. The examiner can normally be reached on mon-fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KIM VU can be reached on 5712723859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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PRIMARY EXAMINER